

Lucy E Delaney

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contact

Chicago, IL 60607

website

ledelaney.github.io

github

ledelaney

programming

R

markup languages

LaTeX, HTML,
Markdown, &
Rmarkdown

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Technician Class Radio
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Interests

Evolution outreach & education, macroevolution, the evolution of plant breeding systems, the nature of adaptation, R for data manipulation & visualization, R in undergraduate education

Education

PhD student in Ecology and Evolutionary Biology University of Illinois at Chicago
Thesis: *The Process of Natural Selection: Resultant Patterns and How We Understand Them*

MA in Molecular and Cellular Biology Hunter College of the City University of New York

BS in Forensic Molecular Biology, Philosophy John Jay College of the City University of New York

Teaching

BIOS220 Molecular and Mendelian Genetics 2019-Present
Sophomore-level genetics course focusing on Mendelian inheritance patterns and molecular mechanisms of inheritance. Responsible for online transition, digital course materials, Blackboard, etc.

BIOS230 Ecology and Evolution Spring 2019
Sophomore-level course with emphasis on basic ecological systems and ecosystem dynamics, and evolutionary principles. Responsible for weekly office hours and assignment construction and grading.

BIOS430 Evolution 2017-2018
Upper-division, programming-focused Evolution course.

BIOS120 Biology of Populations and Communities 2016-2017
Introductory biology laboratory course with emphasis on ecological and evolutionary principles.

Professional Experience

Tutor at Nurturing Wisdom Tutoring 2018-Present
Highly-rated individual tutoring for grades 7-12 in science, mathematics, reading, language, and writing. Provide tutoring of content and test-preparation strategies for High School Entrance Exams and SATs.

Forensic Molecular Biologist at NYC Office of Chief Medical Examiner 2012-2015
Examined evidence for the presence of biological fluids, performed serological and DNA analysis techniques, analyzed data and performed statistical analysis, wrote reports, and provided expert scientific testimony in court.

Health Research Intern at NYC Department of Health 2011-2012
Accepted to the Health Research Training Program for a year-long internship with the Bureau of Environmental Disease Prevention. Received training in disease epidemiology, emergency preparedness and response, public health and outreach programs in environmental disease control and prevention, and emerging viral infections.

Field Manager & Administrative Assistant at Working Families Party 2008-2011
Performed administrative tasks including payroll, managing employees' healthcare coverage, bank deposits, and data entry. Organized informational events for the public, and served as Field Manager for multiple election and fundraising campaigns.

Extracurricular

Presentations

Annual Meeting of the Botanical Society of America Poster

2018

Delaney, L. E., Ramanauskas, K., and Igić, B., "Breeding Systems in the Legumes."

Publications

Delaney, L. E., Ramanauskas, K., & Igić, B. (2020a). Breeding systems in the legumes: What do we know? *Manuscript in Prep.*

Delaney, L. E., Ramanauskas, K., & Igić, B. (2020b). Breeding systems in the Orchids. *Manuscript in Prep.*